GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity Type 316

Standard Specification for Stainless and Heat Resisting Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - Gravity Type 316 Stainless and Heat Resisting Steels

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	2.000 - 3.000
Nickel	Ni %	10.000 - 14.000
Nitrogen	N %	0.100 max.
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Yield Strength in Mpa	200 min.
Elongation in %	25 min.
Reduction of Area in %	40 min.
Hardness in HB	130 - 230
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10263-5 1.4436	EN	European Union	Rod, Bars and Wire
J 405 30316	SAE	USA	Steel
J 405 316	SAE	USA	Steel
3111-2 316 S 17	B.S.	United Kingdom	Steel and Wire
1449 316	AS	Australia	Plate, Sheet and Strip
G 4312 SUS 316	JIS	Japan	Plate and Sheet
A 167 Type 316	ASTM	USA	Plate, Sheet and Strip

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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